

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

TI-28564.1

Sundararajan Sriram

Examiner: **Ramos Feliciano**

Serial No.: **10/658,902**

Art Unit: **2617**

Filed: **09/10/2003**

Conf. No.: **3595**

For: **COMMA FREE CODES FOR FAST CELL SEARCH USING
TERTIARY SYNCHRONIZATION CHANNEL**

REQUEST TO WITHDRAW NOTICE OF ABANDONMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

Applicant respectfully requests that the Notice of Abandonment dated November 6, 2007 be withdrawn for the reasons set forth below.

ARGUMENT

The USPTO issued a Notice of Abandonment on the above-identified application on November 6, 2007. The above Notice of Abandonment, issued over five months after Applicant paid the Issue Fee on the application, was quite a surprise to Applicant. Applicant respectfully submits that the Notice of

Abandonment was issued in error and should be withdrawn in view of the following Facts and Reasons Why the Abandonment is Improper:

THE FACTS:

- 1) USPTO issued a NOTICE OF ALLOWANCE AND FEE(S) DUE on March 29, 2007 (ATTACHMENT-1).
- 2) Applicant submitted an ISSUE FEE on the above-identified application on May 23, 2007 (ATTACHMENT-2), receipt of which was confirmed by the USPTO on May 23, 2007 (ATTACHMENT-3).
- 3) A NOTICE OF ABANDONMENT was issued by the USPTO on November 6, 2007, for the reason that, "Applicant did not reply to the Office letter mailed on July 9, 2007 (ATTACHMENT-4).
- 4) In response to the NOTICE, Applicant's representative checked the file wrapper for the above-identified application but could find no copy of the purported Office letter dated July 9, 2007 or any other Office communication sent to Applicant after the Issue Fee was paid on May 23, 2007.
- 5) Applicant's representative next checked Applicant's electronic database to see if there was any indication of receipt of the purported Office letter dated July 9, 2007 or any other Office communication sent to Applicant after the Issue Fee was paid on May 23, 2007. Unfortunately, no copy of the purported Office letter dated July 9, 2007 or any other Office

communication sent to Applicant after the Issue Fee was paid on May 23, 2007 was in the file (ATTACHMENT-5).

- 6) Applicant's representative contacted Examiner Fred Casca on November 7, 2007 to inquire about the purported Office letter dated July 9, 2007. Examiner Casca was not familiar with the purported Office letter dated July 9, 2007, but stated he would discuss the issue with his SPE and would contact Applicant's representative after his discussion with his SPE.
- 7) Examiner Casca called Applicant's representative on November 8, 2007 and informed Applicant's representative that he would have to file a Petition to Revive. In response, Applicant's representative informed Examiner Casca that Applicant could not file a Petition to Revive without also submitting the responsive action necessary to overcome the deficiency. Since Applicant did not know what the deficiency identified by the USPTO in the purported Office letter dated July 9, 2007, it would be impossible for Applicant to prepare any responsive action necessary to overcome the deficiency.
- 8) Applicant's representative asked Examiner Casca to fax a copy of the purported Office letter dated July 9, 2007 to Applicant's representative so that Applicant could prepare a responsive action. Examiner Casca replied that he had never seen the purported Office letter dated July 9, 2007. Examiner Casca committed to tracking down USPTO representative who sent the purported Office letter dated July 9, 2007 and promised to call Applicant's representative the following week.

- 9) Examiner Casca called Applicant's representative on November 15, 2007 and informed Applicant's representative that the USPTO representative who allegedly sent the purported Office letter dated July 9, 2007 could not find any copy of the purported Office letter. Indeed, while the "Transaction History" in PAIR of the above-identified application indicates that a Miscellaneous Communication was sent to Applicant on July 9, 2007 (ATTACHMENT-6), no record of what was purportedly sent is reflected in the "Image File Wrapper" (ATTACHMENT-7) which is the official file wrapper of the present application.

REASONS WHY THE NOTICE OF ABANDONMENT IS IMPROPER AND SHOULD BE WITHDRAWN:

Applicant never received the purported Office letter dated July 9, 2007 or any other Office communication sent to Applicant after the Issue Fee was paid on May 23, 2007, as confirmed in #4 & #5 above.

The USPTO is unable to locate and provide Applicant a copy of the purported Office letter dated July 9, 2007 or any other Office communication sent to Applicant after the Issue Fee was paid on May 23, 2007, as confirmed in #6, #7, #8 and #9 above.

In view of the USPTO's inability to provide Applicant a copy of the purported Office letter dated July 9, 2007 or any other Office communication sent to Applicant after the Issue Fee was paid on May 23, 2007, it will be impossible for

Applicant to prepare the responsive action required to be submitted with a Petition to Revive.

In view of the following that:

- 1) Applicant never received the purported Office letter dated July 9, 2007 or any other Office communication sent to Applicant after the Issue Fee was paid on May 23, 2007;
- 2) the USPTO cannot provide Applicant a copy of the purported Office letter dated July 9, 2007 or any other Office communication sent to Applicant after the Issue Fee was paid on May 23, 2007 making it impossible for Applicant to prepare a corrective responsive action; and
- 3) there is no evidence in the official record of the USPTO of the actual document that was the purported Office letter dated July 9, 2007 or any other Office communication sent to Applicant after the Issue Fee was paid on May 23, 2007;

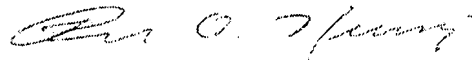
Applicant respectfully requests that Notice of Abandonment dated November 6, 2007 be withdrawn and that a new Office communication be sent to Applicant specifying any needed corrections. If the above is not possible, Applicant requests that the Notice of Abandonment dated November 6, 2007 be withdrawn the application be passed to issue at the earliest possible date.

Application No. 10/658,902

Request to Withdraw Notice of Abandonment dated November 20, 2007

No additional Extension of Time or Petition fee should be required being the Notice of Abandonment was issued prematurely. Nevertheless, if the USPTO determines that any additional fee is required, please charge the fee to Deposit Account No. 20-0668.

Respectfully submitted,



/Ronald O. Neerings/
Reg. No. 34,227
Attorney for Applicant

TEXAS INSTRUMENTS INCORPORATED
P.O. BOX 655474, M/S 3999
Dallas, Texas 75265
Phone: 972/917-5299
Fax: 972/917-4417



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22314-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

23494 7590 03/29/2007
TEXAS INSTRUMENTS INCORPORATED
P O BOX 655474, M/S 3999
DALLAS, TX 75265

ISSUE FEE

6/29/07

EXAMINER	
CASCA, FRED A	
ART UNIT	PAPER NUMBER
2617	
DATE MAILED: 03/29/2007	

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,902	09/10/2003	Sundararajan Sriram	TI-28564.1	3595
TITLE OF INVENTION: COMMA FREE CODES FOR FAST CELL SEARCH USING TERTIARY SYNCHRONIZATION CHANNEL				

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	06/29/2007

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,902	09/10/2003	Sundararajan Srinam	TI-28564.1	3595
23494	7590	03/29/2007		
TEXAS INSTRUMENTS INCORPORATED P O BOX 655474, M/S 3999 DALLAS, TX 75265				
EXAMINER CASCA, FRED A				
ART UNIT		PAPER NUMBER		
2617				
DATE MAILED: 03/29/2007				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)	
	10/658,902	SRIRAM, SUNDARARAJAN	
	Examiner	Art Unit	
	Fred A. Casca	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to November 30, 2006.
2. ☒ The allowed claim(s) is/are 1-5 and 25-39.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed on November 30, 2006 with respect to claims 1-5 and 25-39 have been considered and are persuasive. The new limitations to the independent claims have not been found or suggested by prior art. The rejection of claims 1-5 has been withdrawn.

Allowable Subject Matter

2. Claims 1-5 and 25-39 are allowed.

The following is the examiner's statement of reasons for allowance: The present application is a continuation of application No. 09/418,907 10/15/1999 PAT 6,665,277 which claims benefit of 60/104,445 10/16/1998. The amended independent claims presented in the present application are now narrower and more specific than the claims of application No. 10/15/1999 (now PAT 6,665,277). None of the prior art References, Nystrom et al (US Patent No. 6,185,244 B1) and Pat No. 6,665,277, teaches or suggests directly or indirectly the limitation

"if one of N distinct code words or sequences is present in the tertiary synchronization code, synchronize the frame of data using tertiary synchronization code and detect a code word transmitted on the secondary synchronization code; if one of N distinct code words or sequences is not present in the tertiary, synchronization code, synchronize the frame of data and identify code group using secondary" in claim 1, "searching for presence of a known code word in the tertiary synchronization code; and synchronizing the frame of data and identifying code group using the secondary synchronization code if a known code word is not detected", in claim 28, and "identifying the primary synchronization code and using the tertiary synchronization code to

provide both frame synchronization and partial synchronization code group identification." in claim 38 along with other combinations of the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

1. Any response to this Office Action should be mailed to:

*U.S Patent and Trademark Office
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450*

Or Faxed to:

571-273-8300.

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fred A. Casca whose telephone number is (571) 272-7918. The examiner can normally be reached on Monday through Friday from 9 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid, can be reached at (571) 272-7922.

Application/Control Number: 10/658,902
Art Unit: 2617

Page 4

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



LESTER G. KINCAID
SUPERVISORY PRIMARY EXAMINER

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
 or **Fax** (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

23494 7590 03/29/2007

TEXAS INSTRUMENTS INCORPORATED
 P O BOX 655474, M/S 3999
 DALLAS, TX 75265

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Elizabeth Austin	(Depositor's name)
<i>Elizabeth Austin</i>	(Signature)
5/23/2007	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,902	09/10/2003	Sundararajan Sriram	TI-28564.1	3595

TITLE OF INVENTION: COMMA FREE CODES FOR FAST CELL SEARCH USING TERTIARY SYNCHRONIZATION CHANNEL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	06/29/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
CASCA, FRED A	2617	370-350000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

- 1 **Ronald O. Neerings**
 2 **Wade James Brady III**
 3 **Frederick J. Telecky, Jr.**

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Texas Instruments Incorporated

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Dallas, Texas U.S.A.

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant: a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature *Ronald O. Neerings*
 Typed or printed name **/ Ronald O. Neerings /**

Date **05/23/2007**
 Registration No. **34,227**

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Acknowledgement Receipt

The USPTO has received your submission. 6:49:24 Eastern Time on 23-MAY-2007 by Deposit Account: 200668.

\$ 1700 fee paid by e-Filer via RAM with Confirmation Number: 1565.

You have also pre-authorized the following payments from your USPTO Deposit Account:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 and 1.17

eFiled Application Information

EFS ID	1805152
Application Number	10658902
Confirmation Number	3595
Title	COMMA FREE CODES FOR FAST CELL SEARCH USING TERTIARY SYNCHRONIZATION CHANNEL
First Named Inventor	Sundararajan Sriram
Customer Number or Correspondence Address	23494
Filed By	Ronald O. Neerings/Elizabeth Austin
Attorney Docket Number	TI-28564.1
Filing Date	10-SEP-2003
Receipt Date	23-MAY-2007
Application Type	Utility

Application Details

Submitted Files	Page Count	Document Description	File Size	Warnings
T28564__1-issuefee.pdf	1	Issue Fee Payment (PTO-85B)	98922 bytes	◆ PASS
fee-info.pdf	2	Fee Worksheet (PTO-06)	8338 bytes	◆ PASS

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53 (b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

If you need help:

https://portal.uspto.gov/secure/PA_1_0_111/efswb/jsp/efs0-4-6-1-0.jsp

5/23/2007



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,902 ✓	09/10/2003 ✓	Sundararajan Sriram	TI-28564.1-	3595
7590 11/06/2007 TEXAS INSTRUMENTS INCORPORATED P O BOX 655474, M/S 3999 DALLAS, TX 75265			EXAMINER CASCA, FRED A	
			ART UNIT 2817	PAPER NUMBER
			NOTIFICATION DATE 11/06/2007	DELIVERY MODE ELECTRONIC

Notice of Abandonment

This application is abandoned in view of:

1. ☒ The applicant's failure to timely file a proper reply to the Office letter mailed on 7-9-07
 - (a) ☐ A reply was received on _____ (with a Certificate of Mailing or Transmission date _____), which is after the expiration of the period for reply (including a total extension of _____ month(s)) which expired on _____.
 - (b) ☐ A proposed reply was received on _____, but it does not constitute a proper reply under 37 CFR 1.113(a) to the final rejection. (A proper reply under 37 CFR 1.113 to a final rejection consists only of:
 - (1) a timely filed amendment which places the application in condition for allowance;
 - (2) a timely filed Notice of Appeal (with appeal fee);
 - (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).
 - (c) ☐ A reply was received on _____ but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box e below).
 - (d) ☒ No reply has been received.
2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
 - (a) ☐ The issue fee and publication fee, if applicable, was received on _____ (with a Certificate of Mailing or Transmission date _____), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).
 - (b) ☐ The submitted fee of \$ _____ is insufficient. A balance of \$ _____ is due.
The issue fee required by 37 CFR 1.18 is \$ _____.
The publication fee, if required by 37 CFR 1.18(d), is \$ _____.
 - (c) ☐ The issue fee and publication fee, if applicable, has not been received.
3. ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
 - (a) ☐ Proposed corrected drawings were received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply.
 - (b) ☐ No corrected drawing have been received.
4. ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
5. ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.
6. ☐ The decision by the Board of Patent Appeals and Interference rendered on _____ and because the period for seeking court review of the decision has expired and there are no allowed claims.
7. ☐ The reason(s) below:

Petitions to revive under 37 CFR 1.137(a) or (b), or request to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.

Telephone inquiries should be directed to the Office of Data Management at (571) 272-4200.

Patent Publication Branch
Office of Data Management



Patent: T28564, United States, Regular, National, Division

Patent Data

Docket Number	T28564	Attorney	Neerings, Ronald O.
Country	United States	Agent	
Case Type	Regular	Client\Division	SC DSP
Relation Type	Division	Current Owner	Texas Instruments
Filing Type	National	Previous Owner	
Filing Number		Con\Div	.1
Status	Filed	First Filing Date	10/16/1998
Sub Status		Sub Status Date	
Parent Country		Parent Filing Date	10/15/1999
Parent Number		Parent Grant Date	
Application Number	10/658,902	Application Date	9/10/2003
Patent Number		Grant Date	
Publication Number	2004-0057414	Publication Date	3/25/2004
Assigned	Assignment Recorded	Ind. Claims\Designs	
Convention Type		Total Claims	
Custom Code #1		TotalClasses	
TaxAgent		ConfirmationNumber	3595
Operating Group		Tax Base Date	
Custom Party #1		Next Tax Date	
Custom Party #2		Expiration Date	
Custom Party #3		PTO Customer No.	23494
Custom Party #4		Custom Date #1	
Custom Party #5		Storage Location	RON
Custom Party #6		Conception Date	
Custom Party #7		Storage Box/Date	11/7/07
Custom Party #8		Receive Date	
Agent Ref No		Art Unit	2617
Strategy 1		Last Review Date	
Strategy 2		Examiner Name	
Strategy 3		Gov Contract No	
Licensing		Disc/3rd Yr Merit	
Custom Code #6		7th Yr Merit	
Custom Code #7		11th Yr Merit	
Customer Code	TXPP	Customer Name	Texas Instruments

Title

COMMA FREE CODES FOR FAST CELL SEARCH USING TERTIARY SYNCHRONIZATION CHANNEL

Description

ABSTRACT A method of processing data comprises the receiving a frame of data having a predetermined number of time slots (502,504,506). Each time slot comprises a respective plurality of data symbols (520). The method further comprises a primary (508), a secondary (510) and a tertiary (512) synchronization code in each said predetermined number of time slots. WHAT IS CLAIMED: 1. A method, comprising the steps of: receiving a frame of data having a predetermined number of time slots; receiving a plurality of data symbols in each respective time slot; and receiving a primary, a secondary and a tertiary synchronization code in each said predetermined number of time slots.

Current Expense Information

Other Case-Related Information

Actions

Action	Atty Action Due Date	Atty Action Comp Date	Response Due Date	Mail Date	PTO Complete Date	Assigned Atty	Review Atty	Action Notes
Express mail Receipt		9/11/2003						

ATTACHMENT 5

-1-

file://C:\IPMprint\ipmPatent86031.htm

11/19/2007

Divisional Application Declaration	9/10/2003	9/10/2003	Neerings, Ronald O.	
	9/10/2003	9/10/2003	Neerings, Ronald O.	
Drawings filed	9/10/2003	9/10/2003	Neerings, Ronald O.	
Preliminary Amendment	9/10/2003	9/10/2003	Neerings, Ronald O.	
Blue Filing Receipt		12/3/2003		
Application Rejected		11/16/2004		
Final Rejection		7/1/2005		
Advisory Action		9/22/2005		
Request for Continued Examination	3/22/2006	3/22/2006	Neerings, Ronald O.	
Extension	3/22/2006	3/22/2006	Neerings, Ronald O.	3 MONTH EOT FOR THE RCE MAILED ON 3/22/06.
Application Rejected		6/13/2006		
Notice of allowance		3/29/2007		
Info Discl. Statement	12/10/2003	12/10/2003	12/15/2003	Neerings, Ronald O.
Rejection response due	2/16/2005	4/11/2005	4/14/2005	Cantor, Jay M.
Amendment 116 due	9/1/2005	8/26/2005	8/29/2005	Cantor, Jay M.
Notice of Appeal due	10/1/2005	1/1/1930		
Rejection response due - final	9/13/2006	11/30/2006	11/30/2006	Neerings, Ronald O.
Drawings due - 1 month	5/29/2007	1/1/1930		
Issue Fee Due	6/29/2007	5/23/2007	5/23/2007	Neerings, Ronald O.
Drawings Required or Due	6/29/2007	1/1/1930		

Inventors

Inventor	Division	Employee No	Cost Center	Original Inventor Name	Company Status	Assignment Date	Term Date
Sriram, Sundararajan 3		0196458	5103	SRIRAM, SUNDARARAJAN			

CreateUser: usecsc\A0213827

UpdateUser: ENT\x0076836

CreateDate: 9/11/2003

UpdateDate: 11/7/2007

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10/658,902	COMMA FREE CODES FOR FAST CELL SEARCH USING TERTIARY SYNCHRONIZATION CHANNEL	11-07- 2007::15:48:14
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Transaction History

Date	Transaction Description
11-07-2007	Email Notification
11-06-2007	Mail Abandonment for Failure to Correct Drawings/Oath
08-10-2007	Abandonment for Failure to Correct Drawings/Oath/NonPub Request
07-05-2007	TC Return to Pubs
07-09-2007	Mail Miscellaneous Communication to Applicant
07-05-2007	Miscellaneous Communication to Applicant - No Action Count
05-25-2007	Dispatch to FDC
05-24-2007	Application Is Considered Ready for Issue
05-23-2007	Issue Fee Payment Verified
05-23-2007	Issue Fee Payment Received
03-29-2007	Mail Notice of Allowance
03-15-2007	Document Verification
03-05-2007	Notice of Allowance Data Verification Completed
12-12-2006	Date Forwarded to Examiner
11-30-2006	Response after Non-Final Action
11-30-2006	Request for Extension of Time - Granted
08-24-2006	Case Docketed to Examiner in GAU
06-13-2006	Mail Non-Final Rejection
06-12-2006	Non-Final Rejection
04-01-2006	Date Forwarded to Examiner
03-22-2006	Request for Continued Examination (RCE)
04-01-2006	DISPOSAL FOR A RCE/CPA/129 (express abandonment if CPA)
03-21-2006	Case Docketed to Examiner in GAU
09-22-2005	Mail Advisory Action (PTOL - 303)
09-19-2005	Advisory Action (PTOL-303)
09-12-2005	Date Forwarded to Examiner
08-29-2005	Amendment after Final Rejection
07-01-2005	Mail Final Rejection (PTOL - 326)
06-27-2005	Final Rejection
04-23-2005	Date Forwarded to Examiner
04-14-2005	Response after Non-Final Action
04-14-2005	Request for Extension of Time - Granted
11-16-2004	Mail Non-Final Rejection
11-15-2004	Non-Final Rejection
10-06-2004	Case Docketed to Examiner in GAU
10-03-2004	IFW TSS Processing by Tech Center Complete
09-10-2003	Claims PTO
08-10-2004	Case Docketed to Examiner in GAU
12-15-2003	Reference capture on IDS
12-15-2003	Information Disclosure Statement (IDS) Filed
12-15-2003	Information Disclosure Statement (IDS) Filed
12-03-2003	Application Return from OIPE

12-03-2003 Application Return TO OIPE
12-03-2003 Application Dispatched from OIPE
12-03-2003 Application Is Now Complete
11-23-2003 Cleared by OIPE CSR
10-14-2003 IFW Scan & PACR Auto Security Review
09-10-2003 Initial Exam Team nn

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10/658,902

COMMA FREE CODES FOR FAST CELL SEARCH CHANNEL

Select New Case	Application Data	Transaction History	Image File Wrapper	Patent Term Adjustments	Continuity Data
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This application is officially maintained in electronic form. To View: Click the and Print: Check the desired document(s) and click Start Download.

Available Documents

Mail Room Date	Document Code	Document Description	Document
11-06-2007	ABN	Abandonment	PR
05-23-2007	IFEE	Issue Fee Payment (PTO-85B)	PR
05-23-2007	WFEE	Fee Worksheet (PTO-06)	PR
05-23-2007	N417	Status Letter Mailed to Applicant	PR
03-29-2007	NOA	Notice of Allowance and Fees Due (PTOL-85)	PR
03-29-2007	NOA	Notice of Allowance and Fees Due (PTOL-85)	PR
03-29-2007	IIFW	Issue Information including classification, examiner, name, claim, renumbering, etc.	PR
03-29-2007	SRFW	Search information including classification, databases and other search related notes	PR
03-29-2007	FWCLM	Index of Claims	PR
03-15-2007	SRNT	Examiner's search strategy and results	PR
03-05-2007	SRNT	Examiner's search strategy and results	PR
11-30-2006	A...	Amendment - After Non-Final Rejection	PR
11-30-2006	CLM	Claims	PR
11-30-2006	REM	Applicant Arguments/Remarks Made in an Amendment	PR
11-30-2006	WFEE	Fee Worksheet (PTO-06)	PR
11-30-2006	N417	Status Letter Mailed to Applicant	PR
11-30-2006	WFEE	Fee Worksheet (PTO-06)	PR
06-13-2006	CTNF	Non-Final Rejection	PR
06-13-2006	FWCLM	Index of Claims	PR
06-13-2006	SRFW	Search information including classification, databases and	PR

ATTACHMENT 7

-1-

		other search related notes	
03-22-2006	RCEX	Request for Continued Examination (RCE)	PR
03-22-2006	ANE.I	Amendment After Final or under 37CFR 1.312, initialed by the examiner.	PR
09-22-2005	CTAV	Advisory Action (PTOL-303)	PR
09-22-2005	ANE.I	Amendment After Final or under 37CFR 1.312, initialed by the examiner.	PR
08-29-2005	A.NE	Amendment After Final	PR
08-29-2005	CLM	Claims	PR
08-29-2005	REM	Applicant Arguments/Remarks Made in an Amendment	PR
08-29-2005	WFEE	Fee Worksheet (PTO-06)	PR
07-01-2005	CTFR	Final Rejection	PR
07-01-2005	FWCLM	Index of Claims	PR
07-01-2005	SRFW	Search information including classification, databases and other search related notes	PR
04-26-2005	WFEE	Fee Worksheet (PTO-06)	PR
04-14-2005	A...	Amendment - After Non-Final Rejection	PR
04-14-2005	SPEC	Specification	PR
04-14-2005	CLM	Claims	PR
04-14-2005	REM	Applicant Arguments/Remarks Made in an Amendment	PR
04-14-2005	XT/	Extension of Time	PR
11-16-2004	CTNF	Non-Final Rejection	PR
11-16-2004	1449	List of References cited by applicant and considered by examiner	F
11-16-2004	892	List of references cited by examiner	F
11-16-2004	BIB	Bibliographic Data Sheet	PR
11-16-2004	FWCLM	Index of Claims	PR
11-16-2004	SRFW	Search information including classification, databases and other search related notes	PR
11-09-2004	SRNT	Examiner's search strategy and results	PR
12-15-2003	IDS	Information Disclosure Statement (IDS) Filed	PR
09-10-2003	TRNA	Transmittal of New Application	PR
09-10-2003	136A	Authorization for Extension of Time all replies	PR
09-10-2003	SPEC	Specification	PR
09-10-2003	CLM	Claims	PR
09-10-2003	ABST	Abstract	PR
		Drawings-only black and white	

09-10-2003	DRW	line drawings	PR
09-10-2003	OATH	Oath or Declaration filed	PR
09-10-2003	A.PE	Preliminary Amendment	PR
09-10-2003	REM	Applicant Arguments/Remarks Made in an Amendment	PR
09-10-2003	WFEE	Fee Worksheet (PTO-06)	PR
09-10-2003	WFEE	Fee Worksheet (PTO-06)	PR
09-10-2003	CLMPTO	Complete Marked Up Copy of Claims Prepared by USPTO	PR
09-10-2003	WFEE	Fee Worksheet (PTO-06)	PR
09-10-2003	CLMPTO	Complete Marked Up Copy of Claims Prepared by USPTO	PR

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